### Static Search:

# An Archivable and Sustainable Search Engine for the Digital Humanities

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# [State the problem]

# [Introduce the solution]

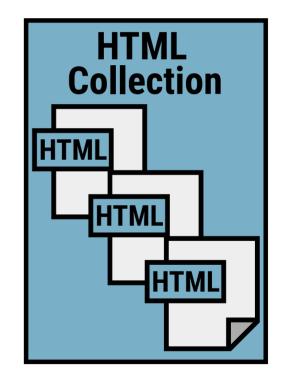
# Demonstration applications

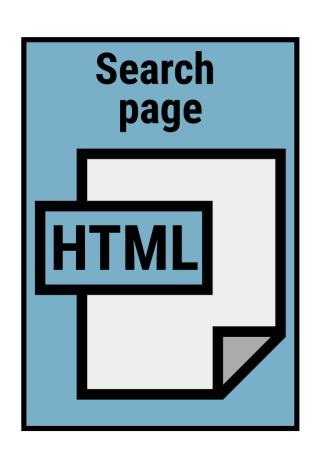
- https://johnkeats.uvic.ca/search.html
- https://dvpp.uvic.ca/search.html

## How it works

#### You have:

- A collection of HTML files
- All well-formed & valid XHTML





### You add:

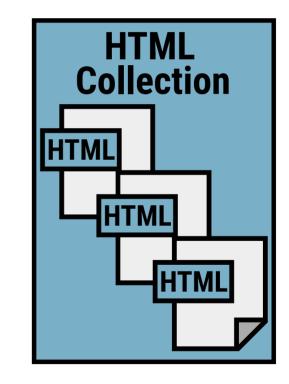
 An HTML search page containing a special div:

<div id="staticSearch"></div>

#### You add:

 Some metadata elements to support search filters:

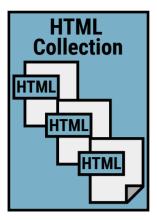
<meta name="Document type" class="staticSearch.desc" content="Poems" />



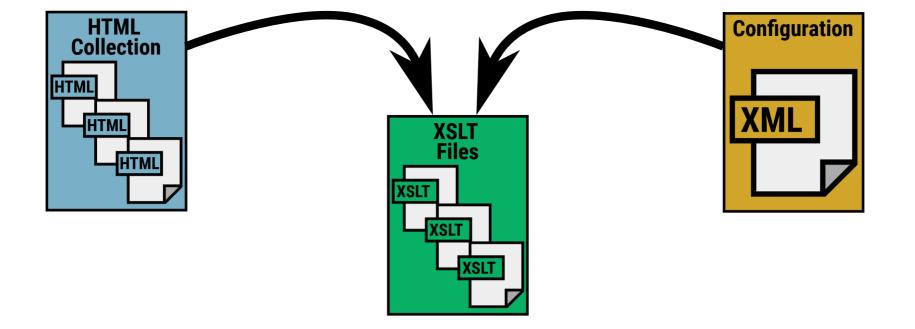
#### You create:

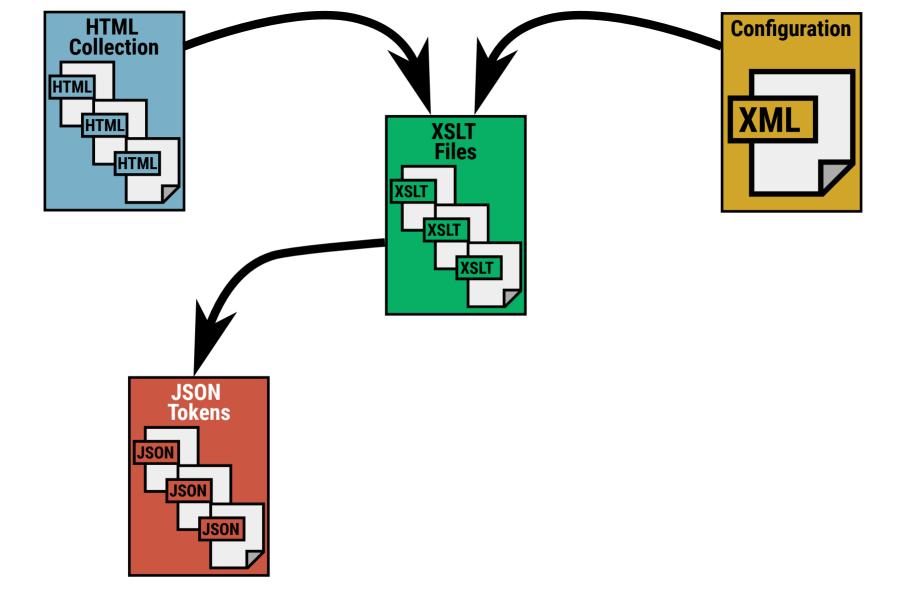


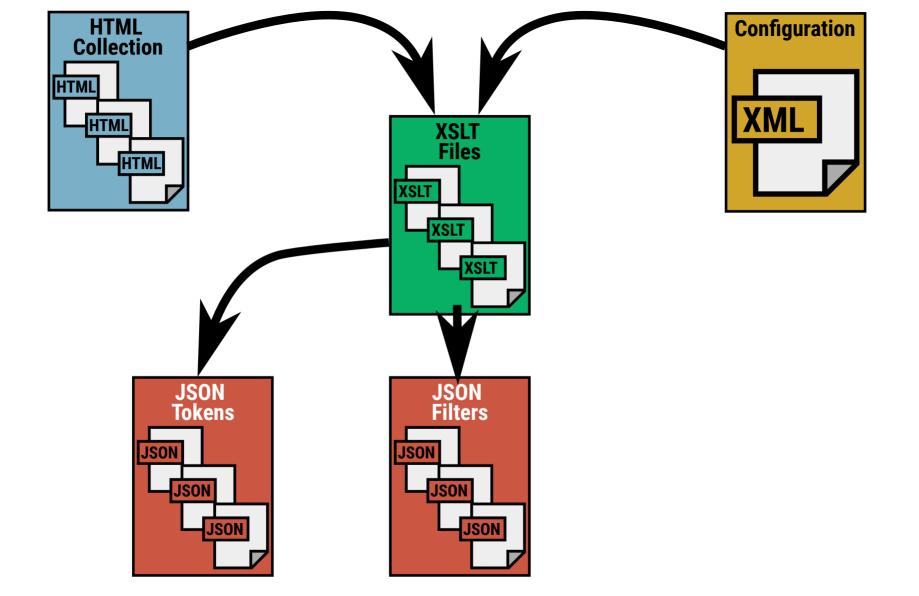
 A configuration file (XML) to specify the features and constraints for your search engine

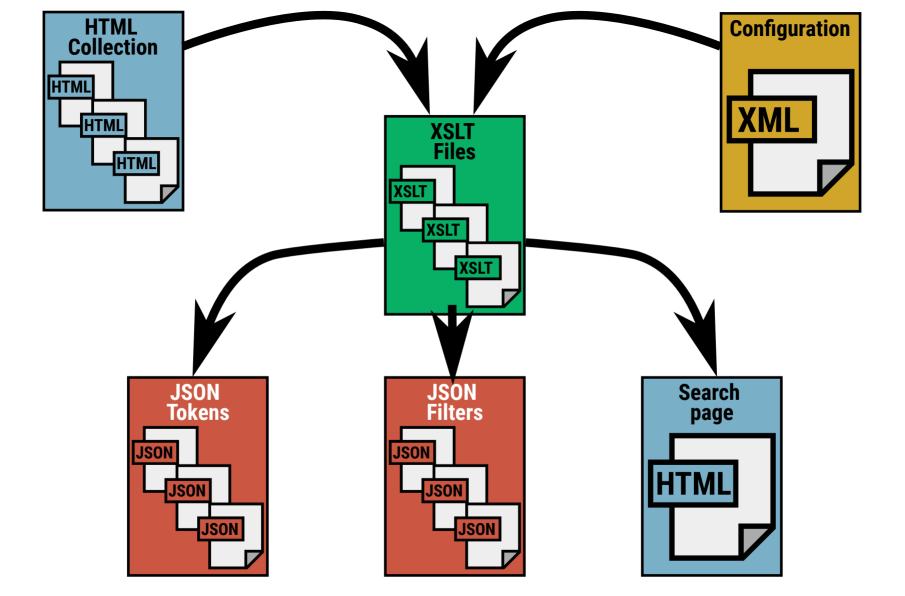












### JSON token file

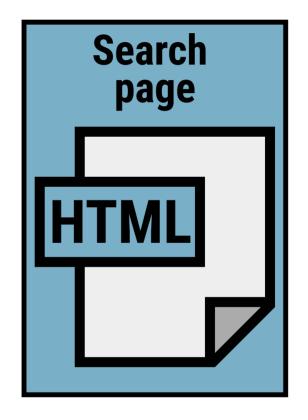
```
{"token": "unprofit",
 "instances": [
   "docld": "pom 2025 ithe old man of hoy",
   "docUri": "poems/goodwords/1870/pom 2025 ithe old man of hoy.html",
   "score": 1.
   "contexts": |
      "form": "unprofitably",
      "context": "...whole that day was spent <mark>unprofitably<\/mark>.",
      "weight": 1,
      "pos": 400
   "docld": "pom 8733 john and joan canto ii",
   "docUri": "poems/blackwoods/1820/pom 8733 john and joan canto ii.html",
   "score": 1.
   "contexts": [
      "form": "unprofitable",
      "context": "...too much ap- propriated unto <mark>unprofitable<Vmark> jocularities and facetiousness. Craving licence,...",
      "weight": 1,
      "pos": 164
```

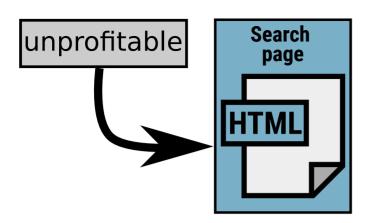
### Filter JSON

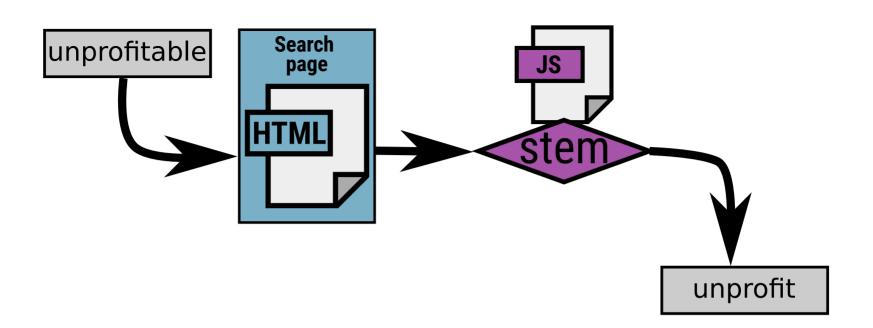
```
"filterId": "ssBool2",
"filterName": "Unsigned",
"ssBool2 1": {
 "value": "true",
 "docs": [
  "poems/chambers series/1867/pom 7594 the husbands request.html",
  "poems/alltheyearround/1875/pom 4271 the hourglass.html",
  "poems/alltheyearround/1879/pom 4507 in the conservatory.html",
  "poems/blackwoods/1843/pom 9963 jolly father joe.html",
  "poems/blackwoods/1829/pom 10314 the watchmans lament.html"
```

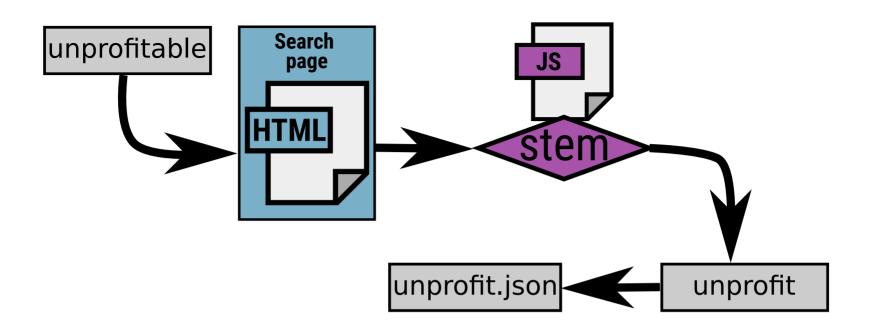
### On the website...

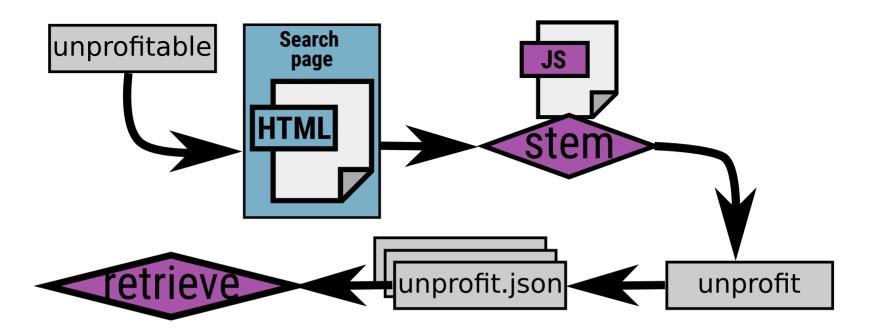
- ...of the thousands of JSON files...
- ...the search page JS retrieves only the ones it needs for the search you do:

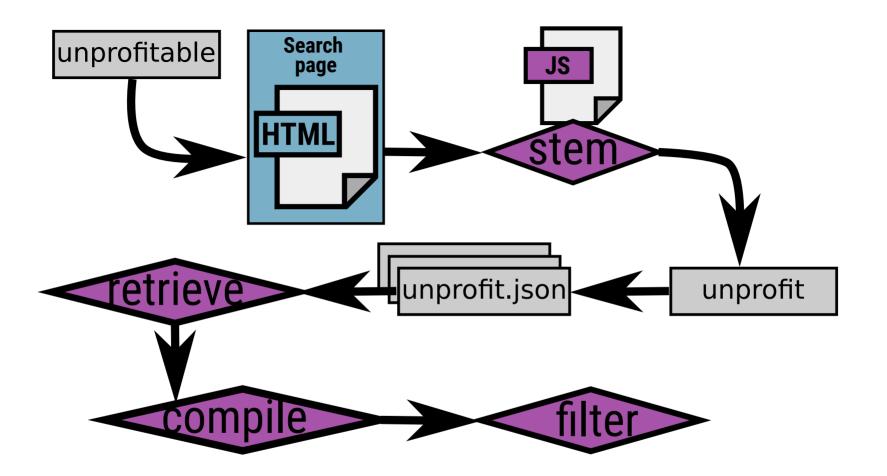


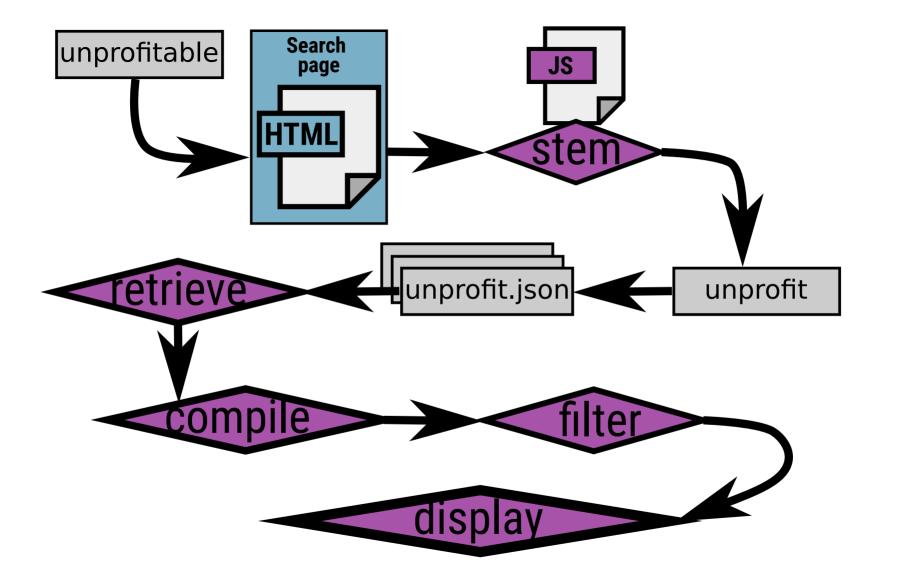












#### Documents found: 2

#### I.—The Old Man of Hoy Score: 1

• ...whole that day was spent unprofitably.

#### John and Joan, Canto II Score: 1

 ...too much ap- propriated unto unprofitable jocularities and facetiousness. Craving licence,...